

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF030519\
 Data File : BF112862.D
 Acq On : 5 Mar 2019 19:50
 Operator : JU/SJ
 Sample : L1705-07
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 EXT-028-SW009-022719

Quant Time: Mar 06 01:45:17 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF022719.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Mar 01 15:40:43 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.74	152	174881	20.00	ng	0.00
21) Naphthalene-d8	8.02	136	674296	20.00	ng	0.00
39) Acenaphthene-d10	9.77	164	317280	20.00	ng	0.00
64) Phenanthrene-d10	11.25	188	596150	20.00	ng	0.00
76) Chrysene-d12	13.87	240	460944	20.00	ng	0.00
87) Perylene-d12	15.28	264	484311	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.35	112	1244381	110.69	ng	0.00
7) Phenol-d6	6.38	99	1609376	113.96	ng	0.01
23) Nitrobenzene-d5	7.30	82	1000375	88.77	ng	0.00
42) 2,4,6-Tribromophenol	10.56	330	448953	133.29	ng	0.00
45) 2-Fluorobiphenyl	9.10	172	1478750	74.82	ng	0.00
79) Terphenyl-d14	12.83	244	1250957	52.61	ng	0.00

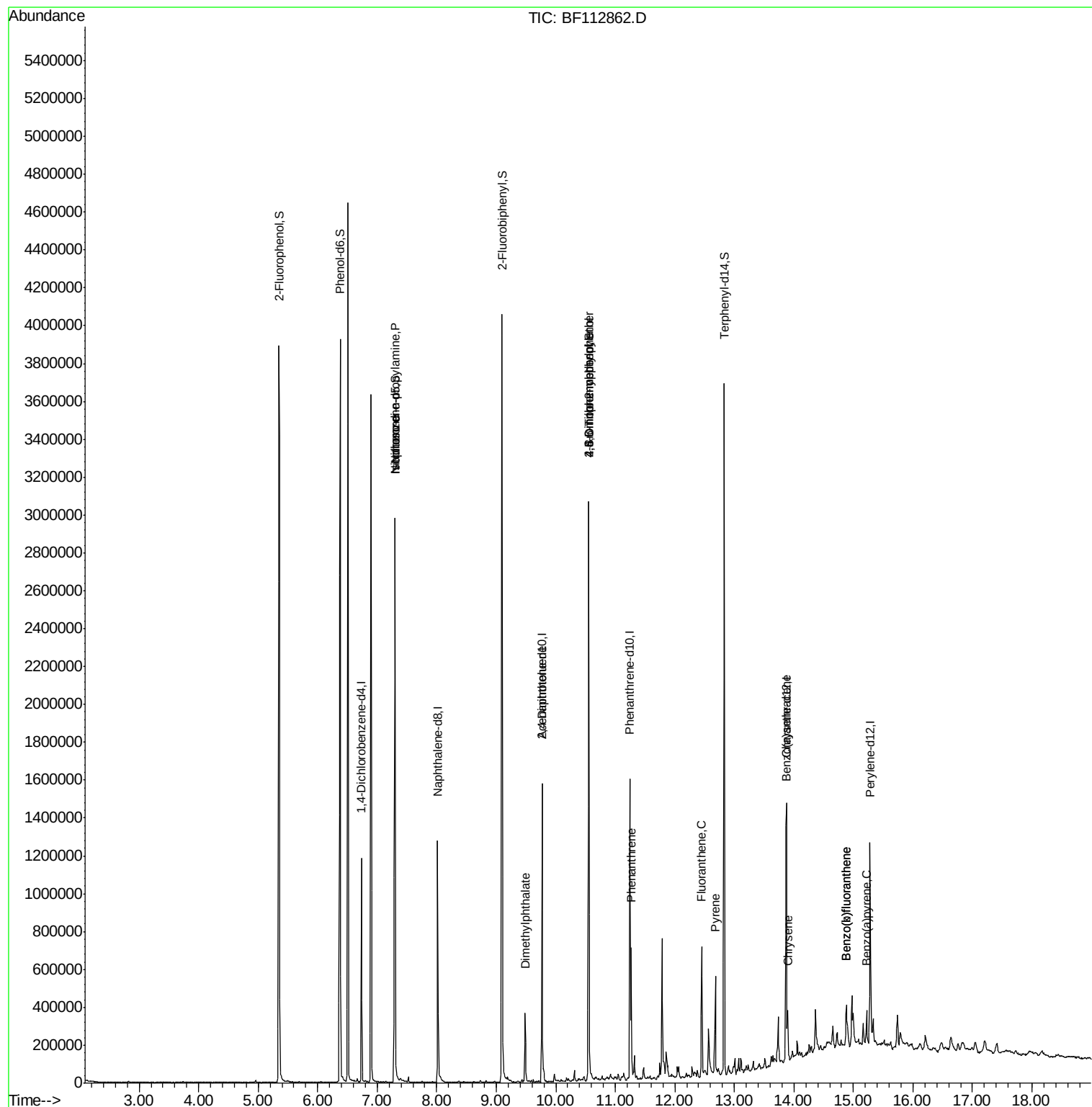
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	7.30	70	133155	14.887	ng	# 77
25) Isophorone	7.30	82	1000358	41.206	ng	# 66
50) Dimethylphthalate	9.49	163	147164	6.290	ng	99
57) 2,4-Dinitrotoluene	9.77	165	40551	6.696	ng	# 18
65) 4,6-Dinitro-2-methylphenol	10.55	198	742	4.887	ng	# 1
67) 4-Bromophenyl-phenylether	10.56	248	25241	4.020	ng	# 1
71) Phenanthrene	11.27	178	238305	8.034	ng	98
75) Fluoranthene	12.45	202	281061	8.844	ng	96
78) Pyrene	12.68	202	225827	5.811	ng	99
81) Benzo(a)anthracene	13.86	228	110669	3.464	ng	96
83) Chrysene	13.90	228	95301	3.045	ng	96
88) Benzo(b)fluoranthene	14.88	252	159196	5.082	ng	97
89) Benzo(k)fluoranthene	14.88	252	159196	5.610	ng	97
90) Benzo(a)pyrene	15.22	252	84789	3.060	ng	98

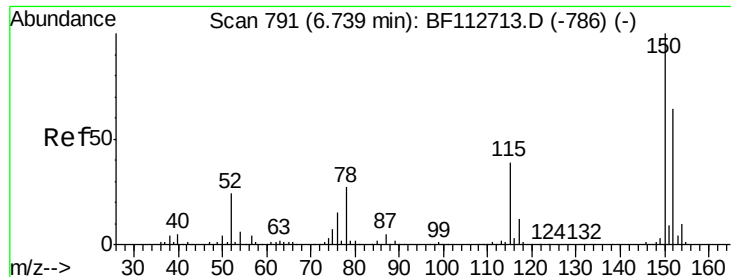
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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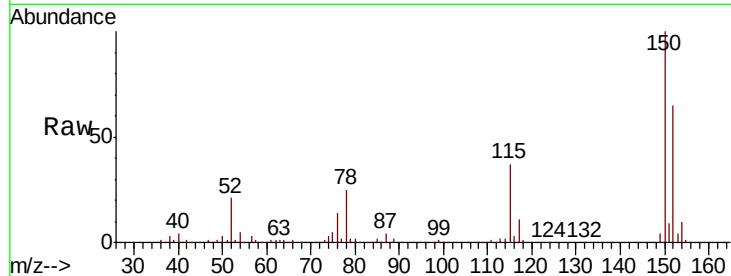


#1

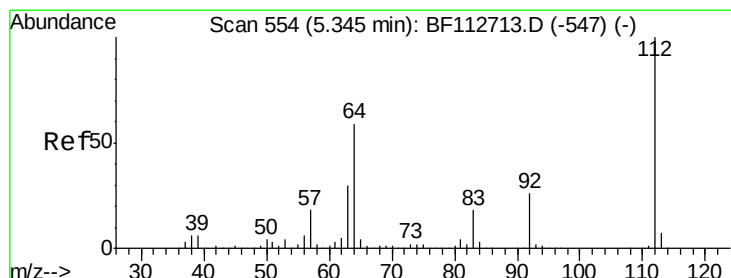
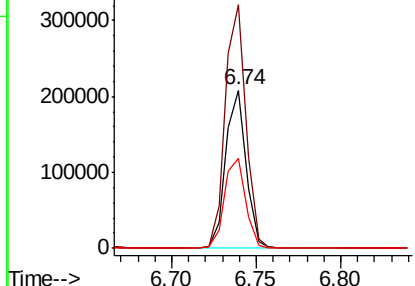
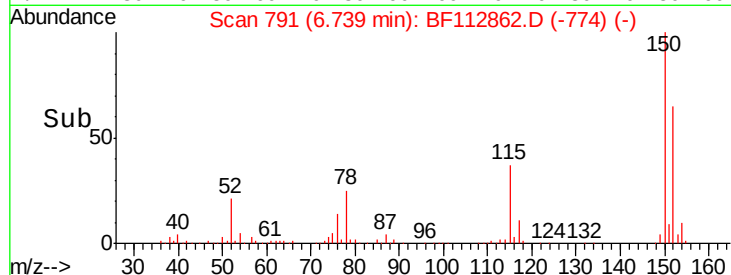
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.74 min Scan# 791
Delta R.T. 0.00 min
Lab File: BF112862.D
Acq: 5 Mar 2019 19:50

Instrument :
BNA_F
ClientSampleId :
EXT-028-SW009-022719

Tgt Ion:152 Resp: 174881
Ion Ratio Lower Upper
152 100
150 153.8 124.2 186.2
115 56.6 48.2 72.4



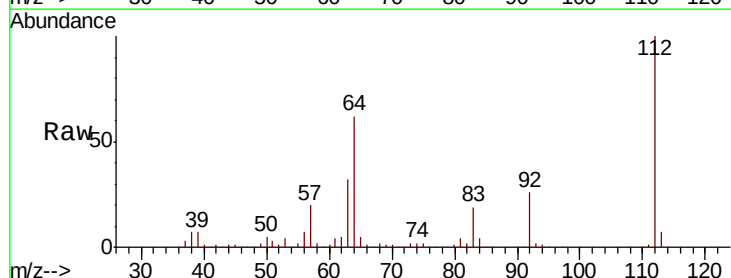
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



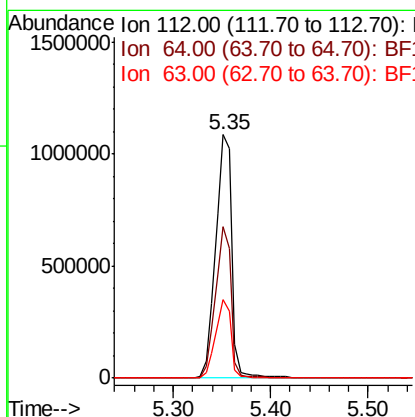
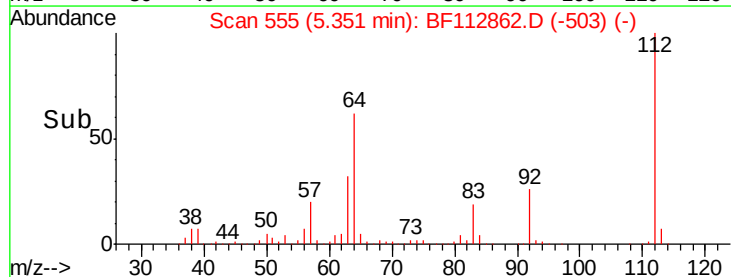
#5

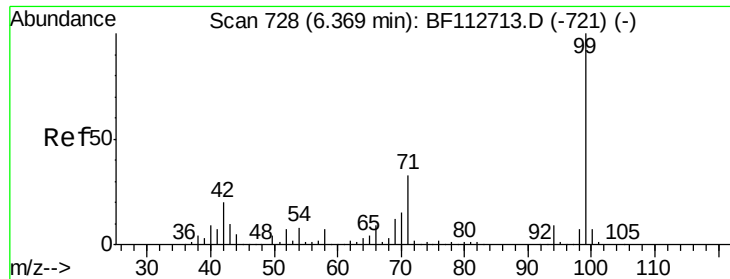
2-Fluorophenol
Concen: 110.686 ng
RT: 5.35 min Scan# 555
Delta R.T. 0.01 min
Lab File: BF112862.D
Acq: 5 Mar 2019 19:50

Tgt Ion:112 Resp: 1244381
Ion Ratio Lower Upper
112 100
64 62.3 47.6 71.4
63 32.5 24.4 36.6



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BF1
Ion 63.00 (62.70 to 63.70): BF1





#7

Phenol-d6

Concen: 113.960 ng

RT: 6.38 min Scan# 730

Delta R.T. 0.01 min

Lab File: BF112862.D

Acq: 5 Mar 2019 19:50

Instrument :

BNA_F

ClientSampleId :

EXT-028-SW009-022719

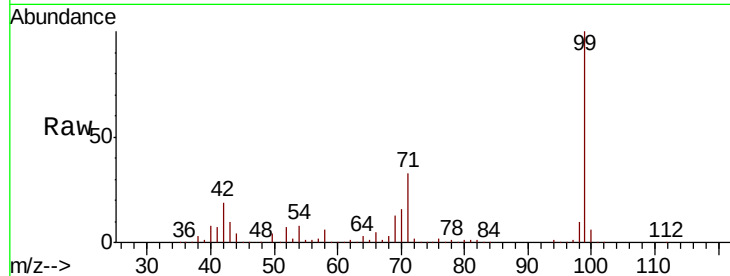
Tgt Ion: 99 Resp: 1609376

Ion Ratio Lower Upper

99 100

42 19.0 16.3 24.5

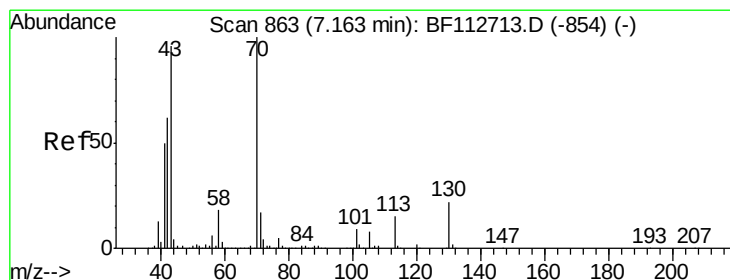
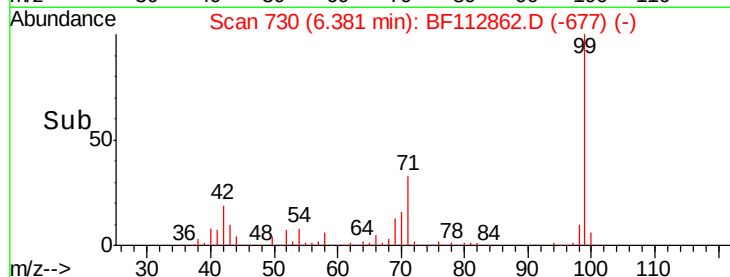
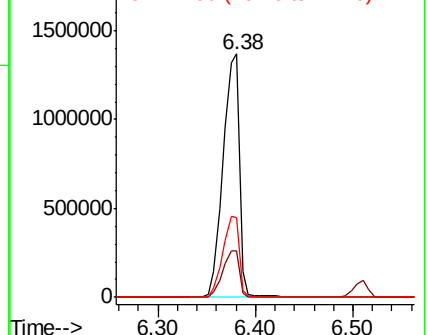
71 32.7 26.2 39.4



Abundance Ion 99.00 (98.70 to 99.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 71.00 (70.70 to 71.70): BF1



#19

n-Nitroso-di-n-propylamine

Concen: 14.887 ng

RT: 7.30 min Scan# 886

Delta R.T. 0.14 min

Lab File: BF112862.D

Acq: 5 Mar 2019 19:50

Tgt Ion: 70 Resp: 133155

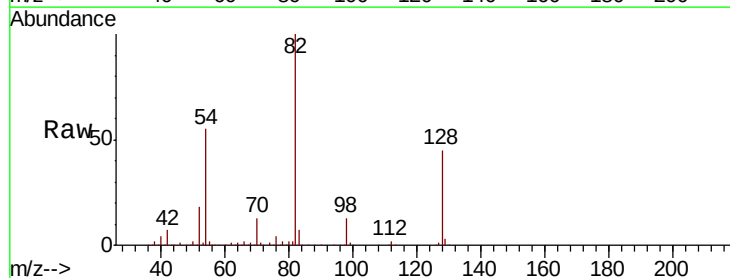
Ion Ratio Lower Upper

70 100

42 49.6 49.9 74.9#

101 0.0 7.4 11.2#

130 2.5 17.4 26.2#

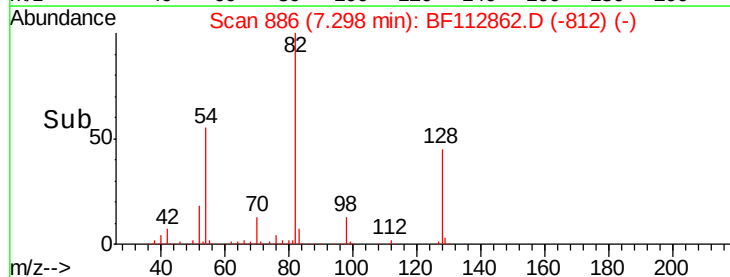
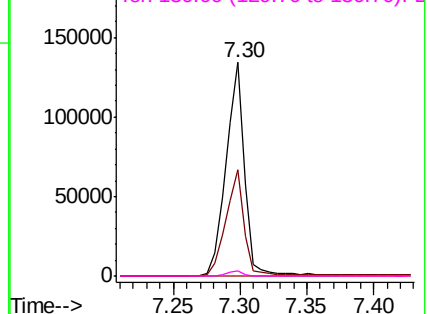


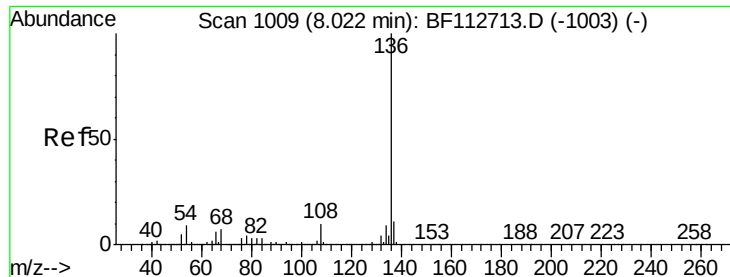
Abundance Ion 70.00 (69.70 to 70.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 101.00 (100.70 to 101.70): BF1

Ion 130.00 (129.70 to 130.70): BF1

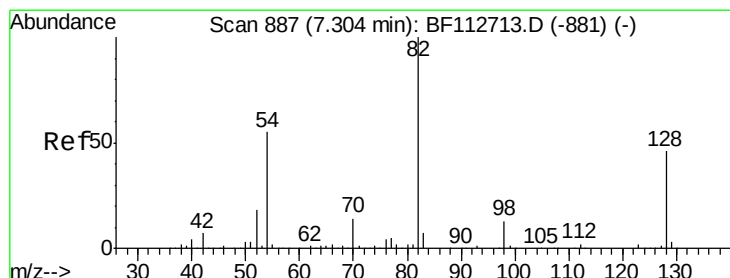
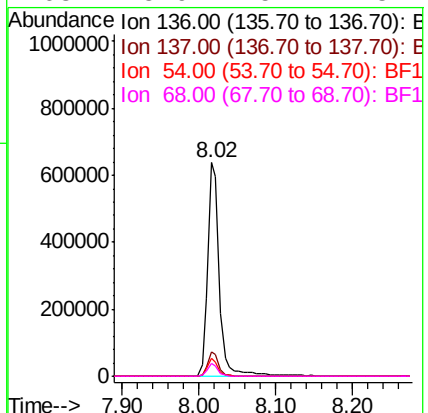
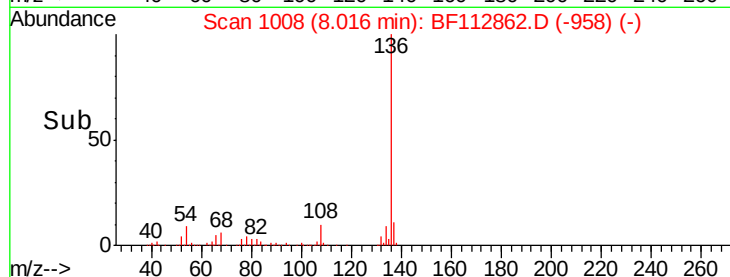
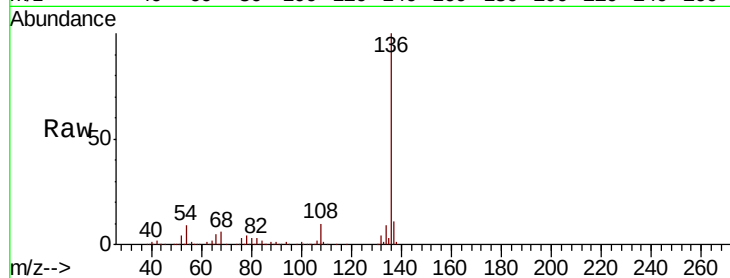




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.02 min Scan# 1008
Delta R.T. -0.01 min
Lab File: BF112862.D
Acq: 5 Mar 2019 19:50

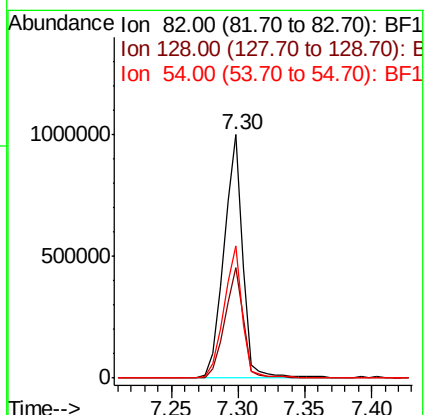
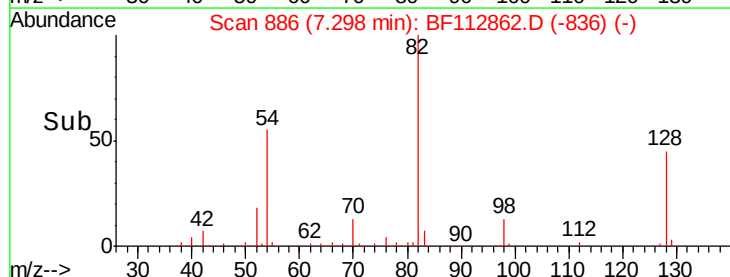
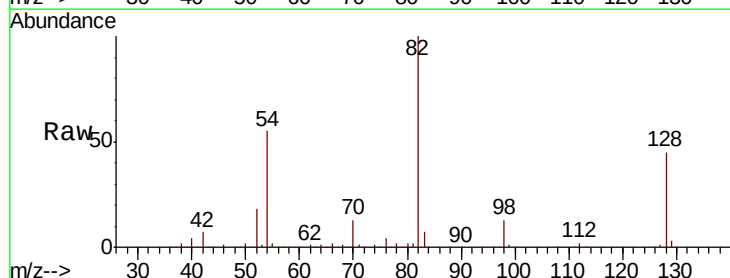
Instrument :
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ClientSampleId :
EXT-028-SW009-022719

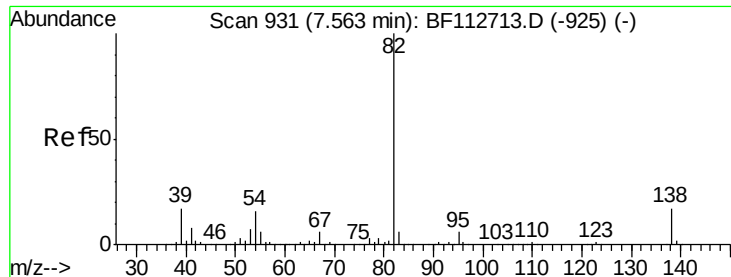
Tgt Ion:	136	Resp:	674296
Ion	Ratio	Lower	Upper
136	100		
137	11.2	8.9	13.3
54	8.6	7.3	10.9
68	5.9	5.4	8.2



#23
Nitrobenzene-d5
Concen: 88.775 ng
RT: 7.30 min Scan# 886
Delta R.T. -0.01 min
Lab File: BF112862.D
Acq: 5 Mar 2019 19:50

Tgt Ion:	82	Resp:	1000375
Ion	Ratio	Lower	Upper
82	100		
128	45.4	36.3	54.5
54	54.6	43.7	65.5





#25

Isophorone

Concen: 41.206 ng

RT: 7.30 min Scan# 886

Delta R.T. -0.26 min

Lab File: BF112862.D

Acq: 5 Mar 2019 19:50

Instrument :

BNA_F

ClientSampleId :

EXT-028-SW009-022719

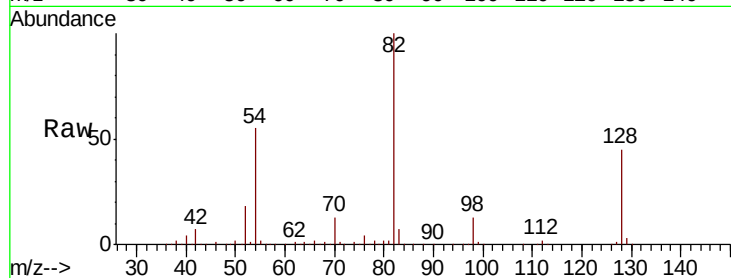
Tgt Ion: 82 Resp: 1000358

Ion Ratio Lower Upper

82 100

95 0.0 5.2 7.8#

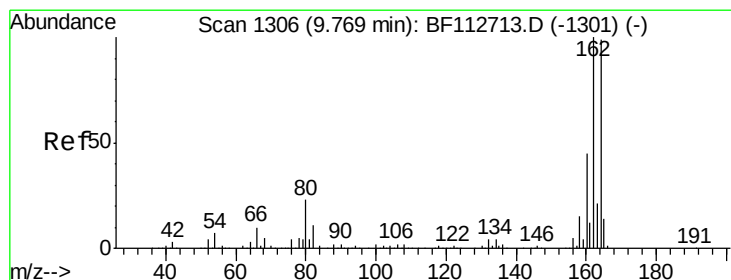
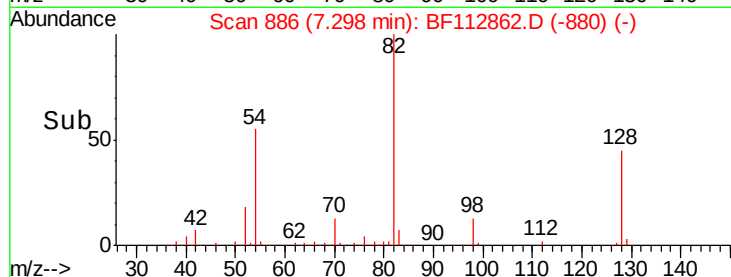
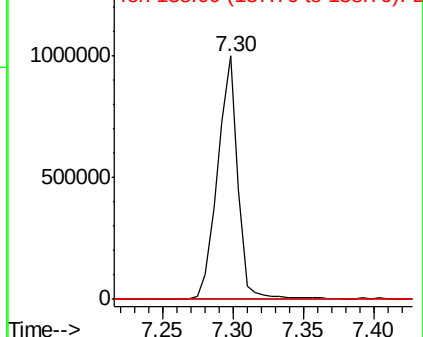
138 0.0 13.8 20.8#



Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 95.00 (94.70 to 95.70): BF1

Ion 138.00 (137.70 to 138.70): BF1



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.77 min Scan# 1306

Delta R.T. 0.00 min

Lab File: BF112862.D

Acq: 5 Mar 2019 19:50

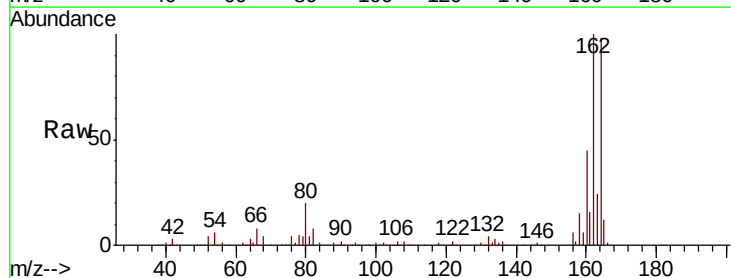
Tgt Ion: 164 Resp: 317280

Ion Ratio Lower Upper

164 100

162 101.8 80.6 120.8

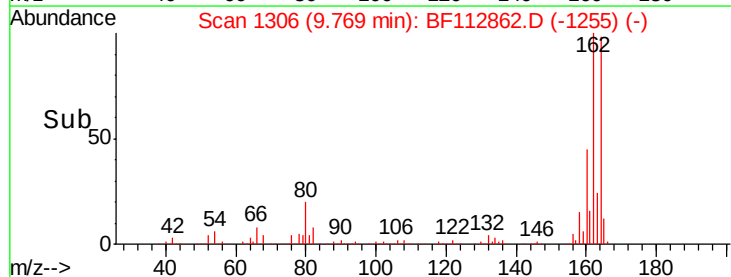
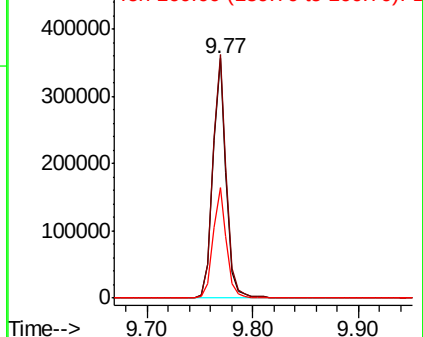
160 46.0 36.0 54.0

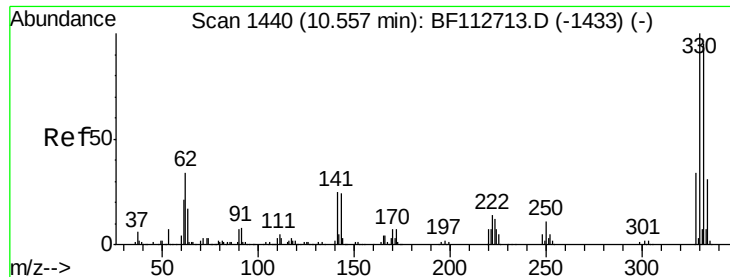


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

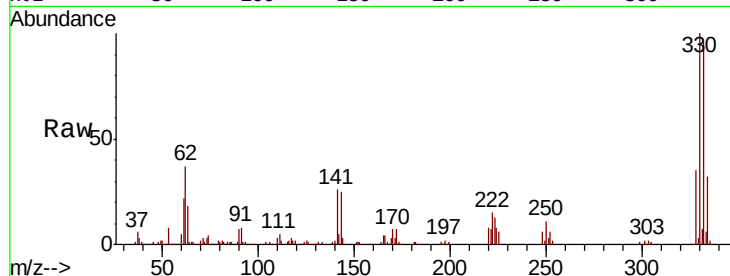




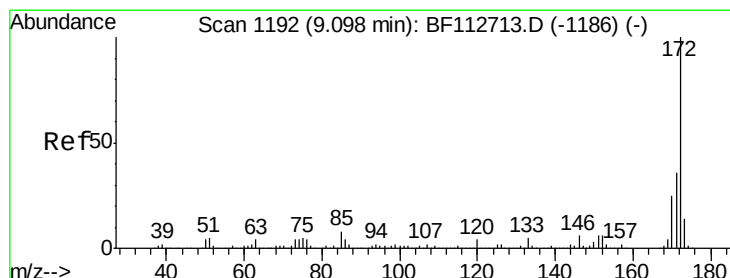
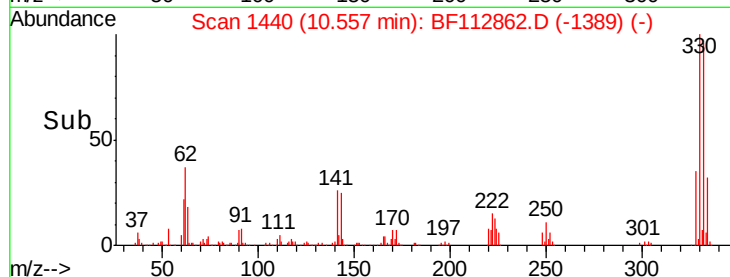
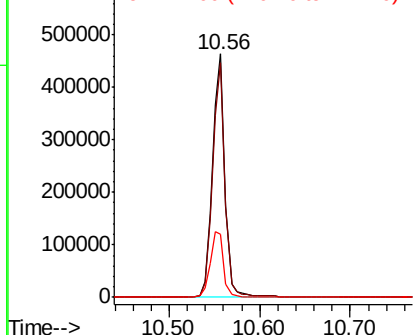
#42
 2,4,6-Tribromophenol
 Concen: 133.287 ng
 RT: 10.56 min Scan# 1440
 Delta R.T. 0.00 min
 Lab File: BF112862.D
 Acq: 5 Mar 2019 19:50

Instrument :
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 EXT-028-SW009-022719

Tgt Ion:330 Resp: 448953
 Ion Ratio Lower Upper
 330 100
 332 95.9 76.2 114.4
 141 29.4 27.0 40.6

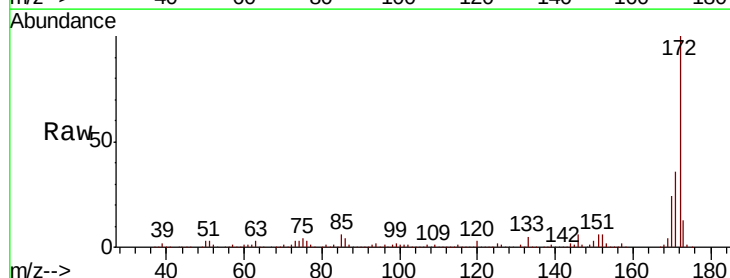


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

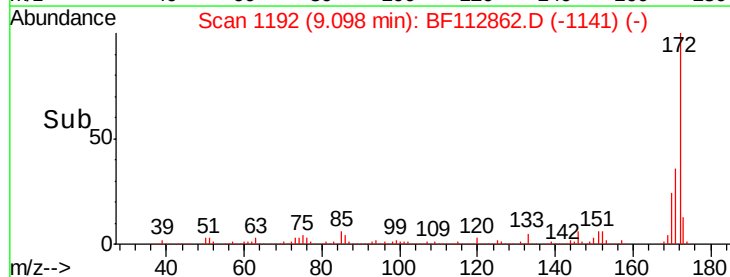
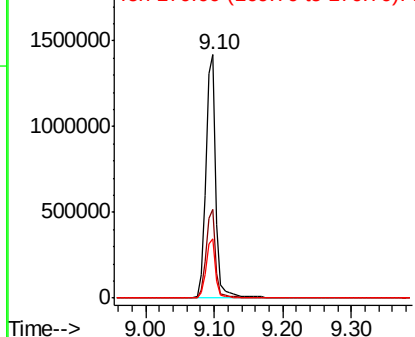


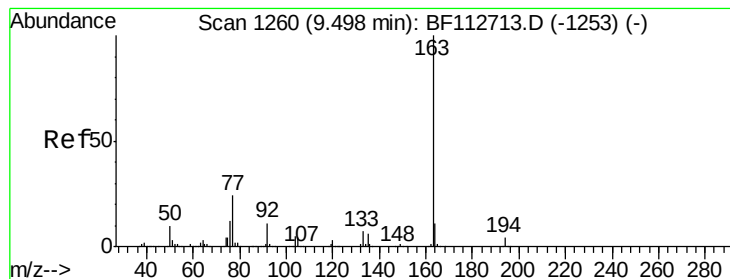
#45
 2-Fluorobiphenyl
 Concen: 74.816 ng
 RT: 9.10 min Scan# 1192
 Delta R.T. 0.00 min
 Lab File: BF112862.D
 Acq: 5 Mar 2019 19:50

Tgt Ion:172 Resp: 1478750
 Ion Ratio Lower Upper
 172 100
 171 36.2 29.0 43.4
 170 24.5 20.0 30.0



Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E





#50

Dimethylphthalate

Concen: 6.290 ng

RT: 9.49 min Scan# 1258

Delta R.T. -0.01 min

Lab File: BF112862.D

Acq: 5 Mar 2019 19:50

Instrument :

BNA_F

ClientSampleId :

EXT-028-SW009-022719

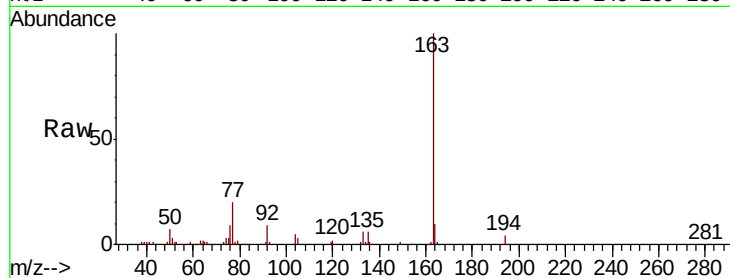
Tgt Ion:163 Resp: 147164

Ion Ratio Lower Upper

163 100

194 3.5 3.0 4.4

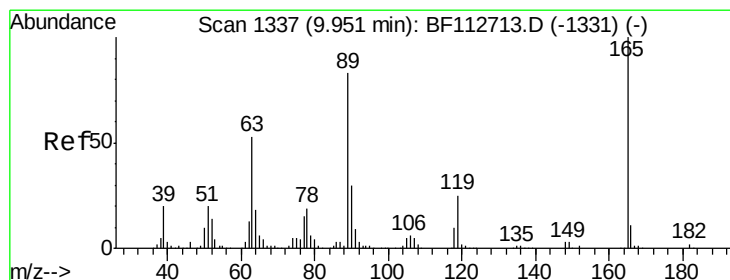
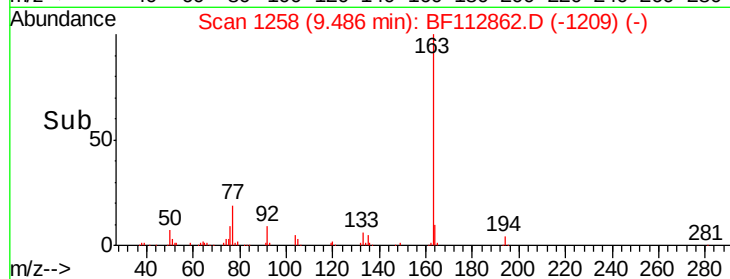
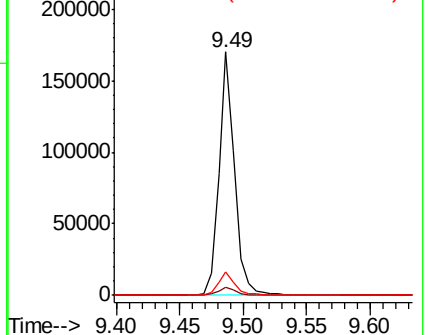
164 9.9 8.4 12.6



Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#57

2,4-Dinitrotoluene

Concen: 6.696 ng

RT: 9.77 min Scan# 1306

Delta R.T. -0.18 min

Lab File: BF112862.D

Acq: 5 Mar 2019 19:50

Tgt Ion:165 Resp: 40551

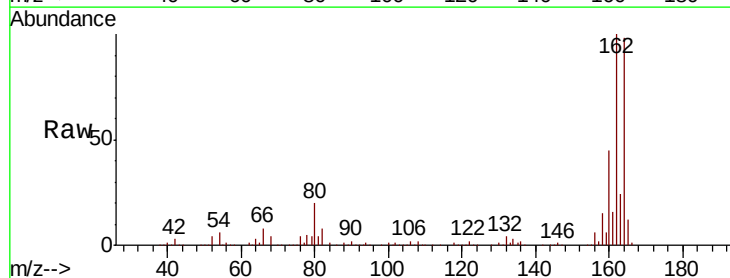
Ion Ratio Lower Upper

165 100

63 1.1 42.2 63.2#

89 1.6 66.2 99.4#

182 0.0 1.8 2.6#

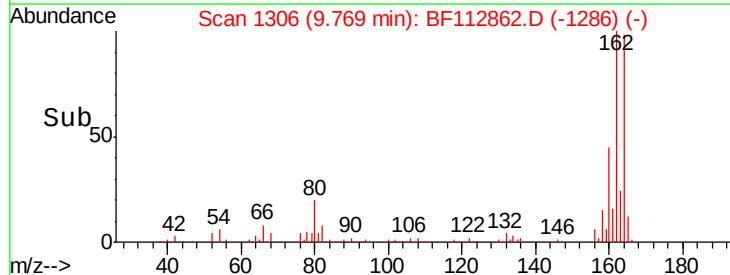
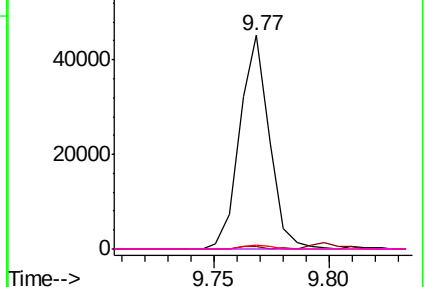


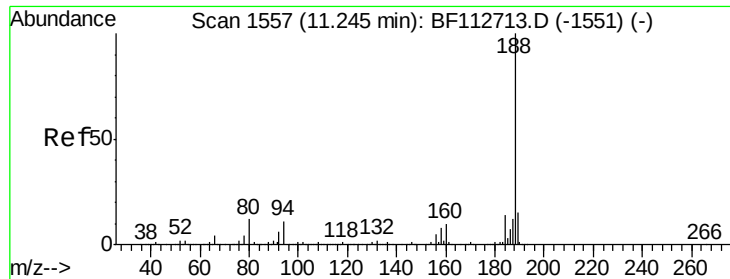
Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1

Ion 182.00 (181.70 to 182.70): E

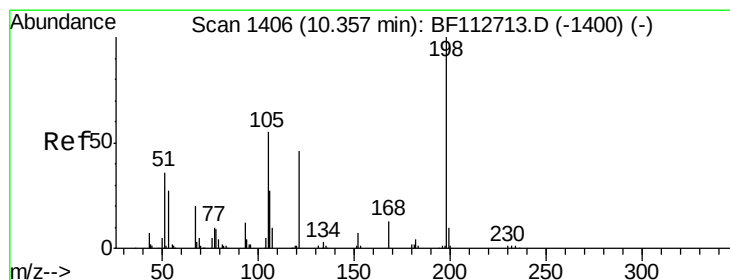
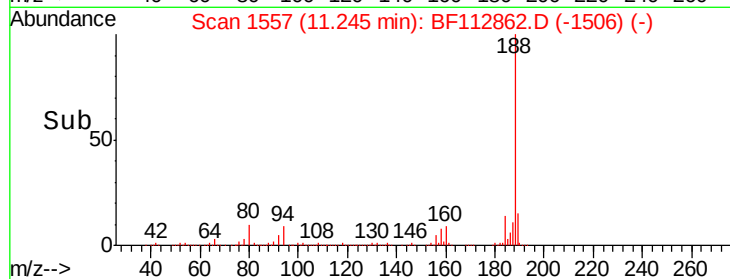
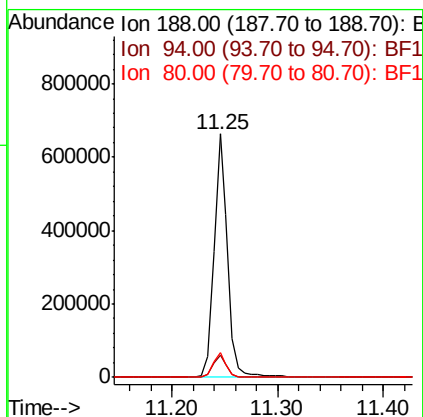
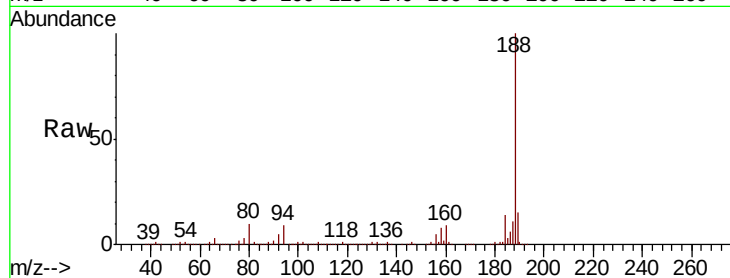




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.25 min Scan# 1557
Delta R.T. 0.00 min
Lab File: BF112862.D
Acq: 5 Mar 2019 19:50

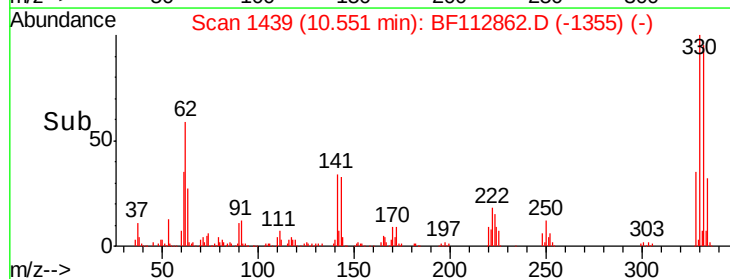
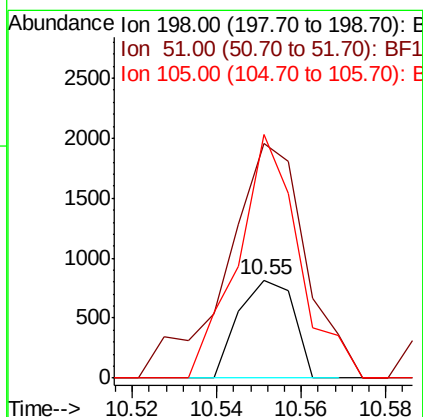
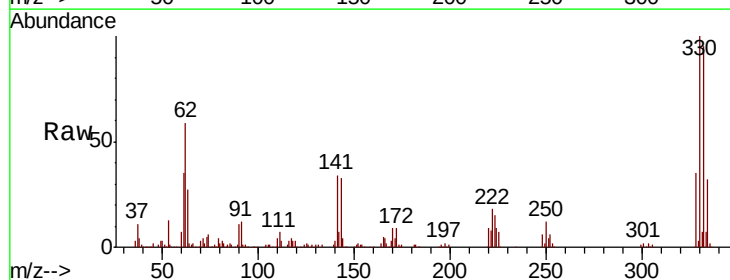
Instrument :
BNA_F
ClientSampleId :
EXT-028-SW009-022719

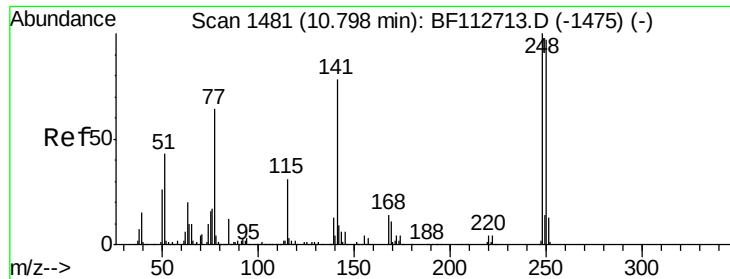
Tgt Ion:188 Resp: 596150
Ion Ratio Lower Upper
188 100
94 9.3 9.0 13.4
80 10.2 9.2 13.8



#65
4,6-Dinitro-2-methylphenol
Concen: 4.887 ng
RT: 10.55 min Scan# 1439
Delta R.T. 0.20 min
Lab File: BF112862.D
Acq: 5 Mar 2019 19:50

Tgt Ion:198 Resp: 742
Ion Ratio Lower Upper
198 100
51 239.0 43.8 83.8#
105 248.5 36.5 76.5#

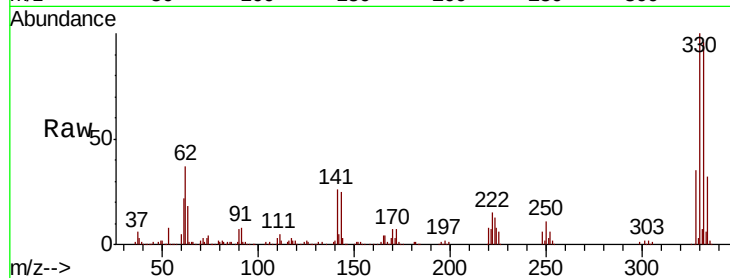




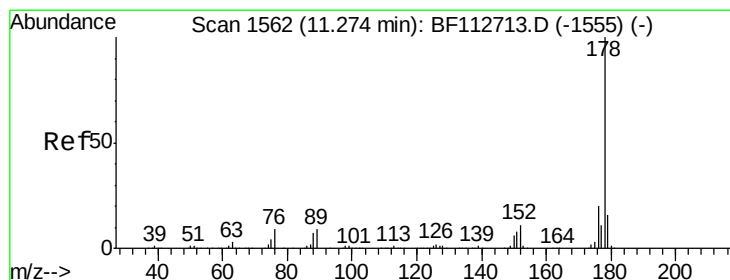
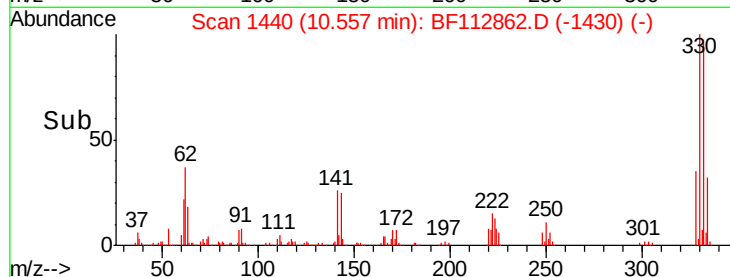
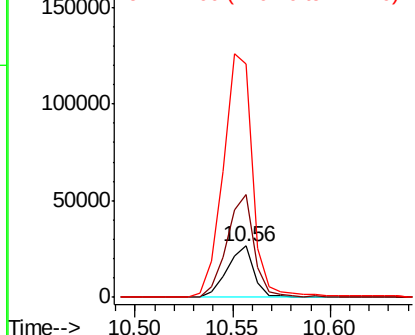
#67
4-Bromophenyl-phenylether
Concen: 4.020 ng
RT: 10.56 min Scan# 1440
Delta R.T. -0.24 min
Lab File: BF112862.D
Acq: 5 Mar 2019 19:50

Instrument :
BNA_F
ClientSampleId :
EXT-028-SW009-022719

Tgt Ion:248 Resp: 25241
Ion Ratio Lower Upper
248 100
250 201.0 77.5 116.3#
141 456.0 62.4 93.6#

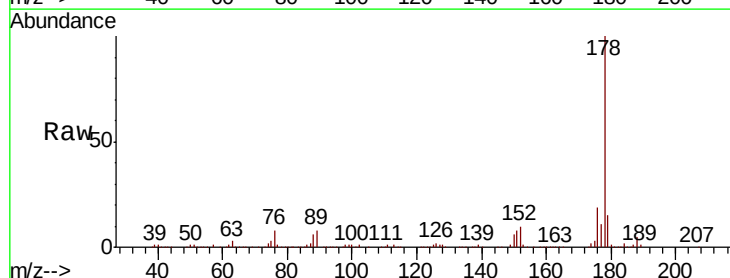


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

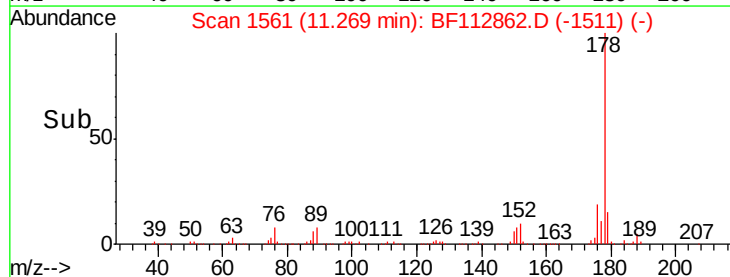
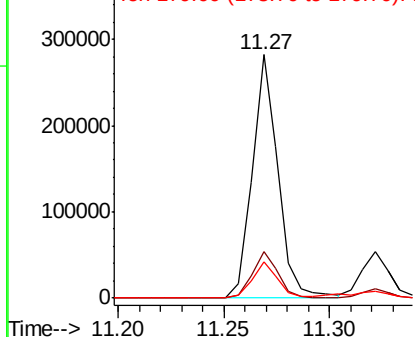


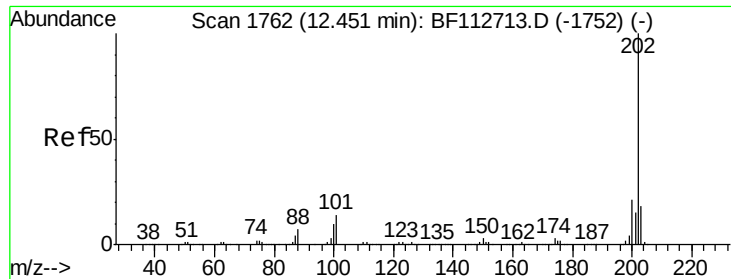
#71
Phenanthrene
Concen: 8.034 ng
RT: 11.27 min Scan# 1561
Delta R.T. -0.01 min
Lab File: BF112862.D
Acq: 5 Mar 2019 19:50

Tgt Ion:178 Resp: 238305
Ion Ratio Lower Upper
178 100
176 19.3 16.3 24.5
179 14.9 12.7 19.1



Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E





#75

Fluoranthene

Concen: 8.844 ng

RT: 12.45 min Scan# 1762

Delta R.T. 0.00 min

Lab File: BF112862.D

Acq: 5 Mar 2019 19:50

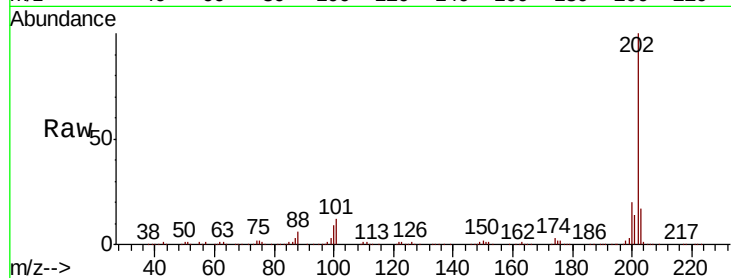
Instrument :

BNA_F

ClientSampleId :

EXT-028-SW009-022719

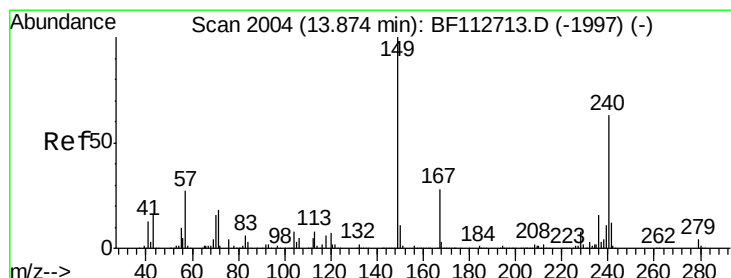
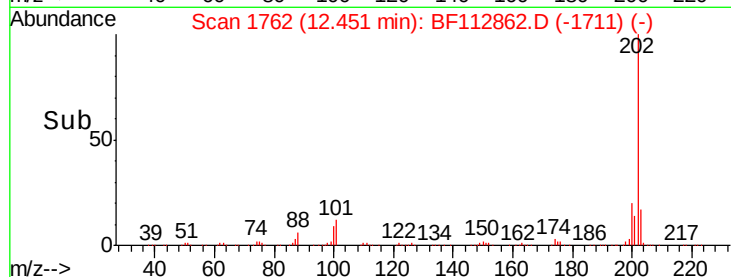
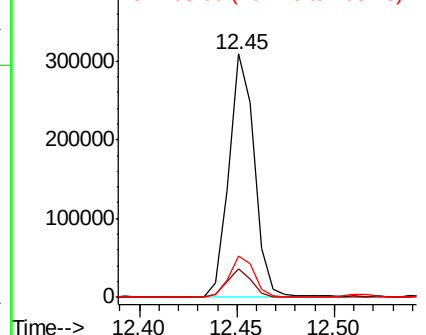
Tgt Ion:	202	Resp:	281061
Ion Ratio	Lower	Upper	
202	100		
101	11.7	0.0	33.8
203	17.1	0.0	38.4



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



#76

Chrysene-d12

Concen: 20.000 ng

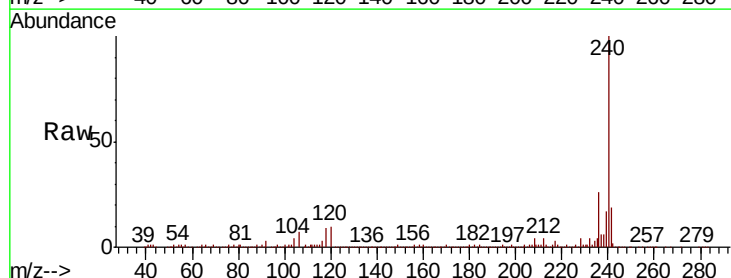
RT: 13.87 min Scan# 2004

Delta R.T. 0.00 min

Lab File: BF112862.D

Acq: 5 Mar 2019 19:50

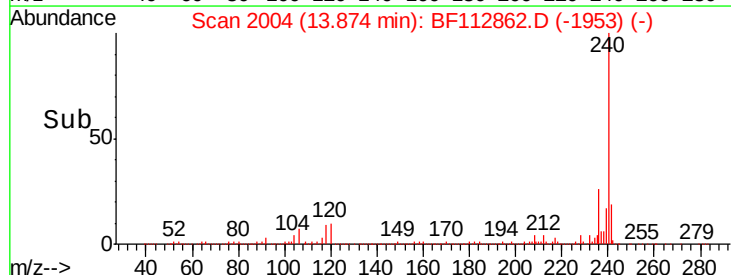
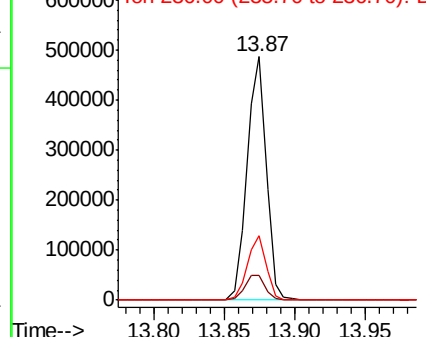
Tgt Ion:	240	Resp:	460944
Ion Ratio	Lower	Upper	
240	100		
120	10.0	8.9	13.3
236	26.3	20.7	31.1

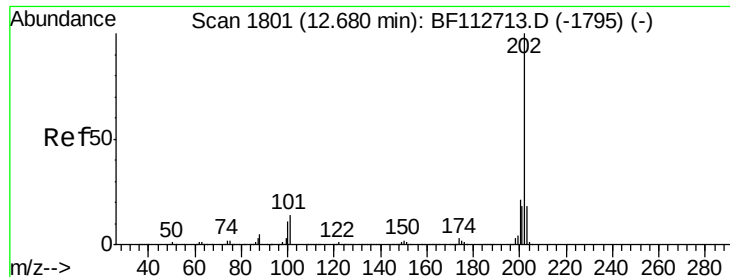


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

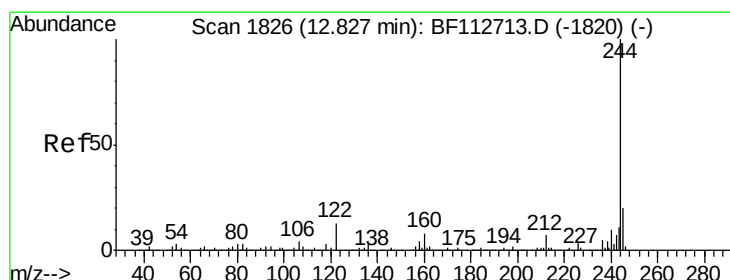
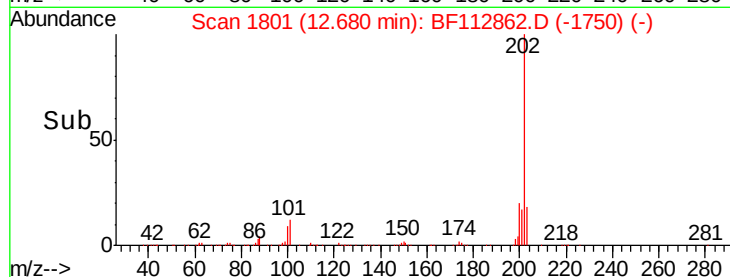
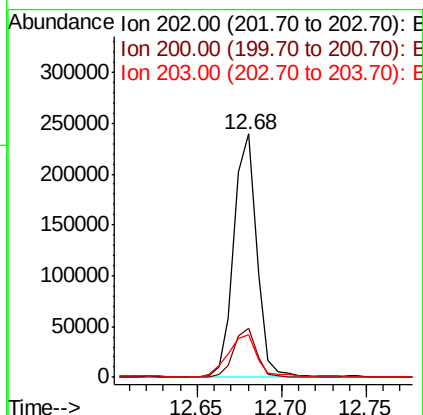
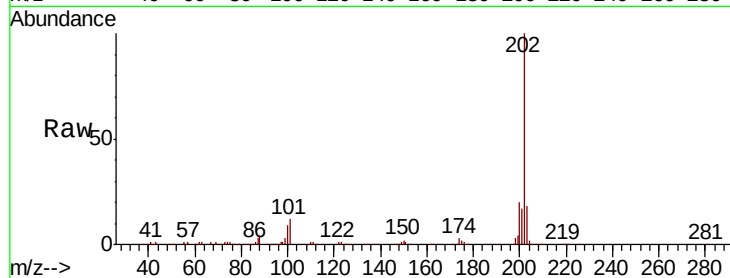




#78
 Pyrene
 Concen: 5.811 ng
 RT: 12.68 min Scan# 1801
 Delta R.T. 0.00 min
 Lab File: BF112862.D
 Acq: 5 Mar 2019 19:50

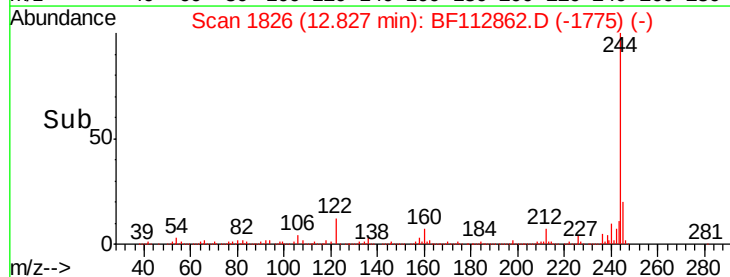
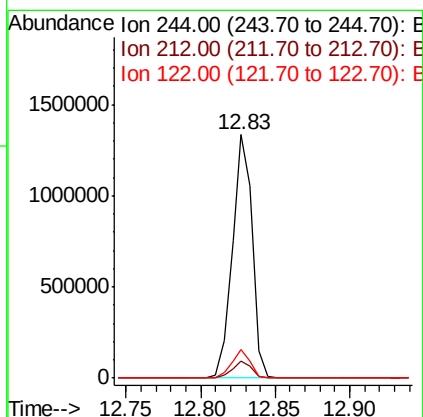
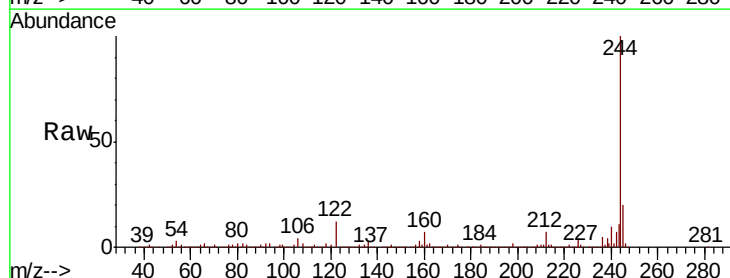
Instrument :
 BNA_F
 ClientSampleId :
 EXT-028-SW009-022719

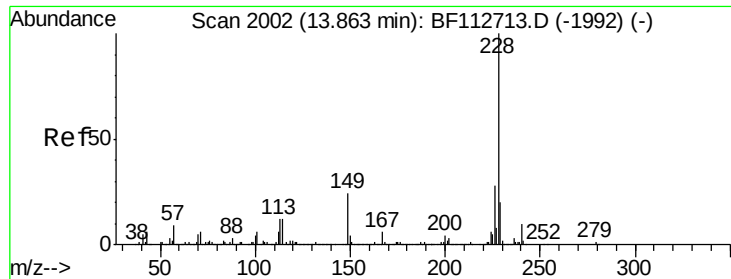
Tgt Ion:202 Resp: 225827
 Ion Ratio Lower Upper
 202 100
 200 20.3 17.0 25.4
 203 17.7 14.4 21.6



#79
 Terphenyl-d14
 Concen: 52.609 ng
 RT: 12.83 min Scan# 1826
 Delta R.T. 0.00 min
 Lab File: BF112862.D
 Acq: 5 Mar 2019 19:50

Tgt Ion:244 Resp: 1250957
 Ion Ratio Lower Upper
 244 100
 212 6.9 5.6 8.4
 122 11.8 10.5 15.7

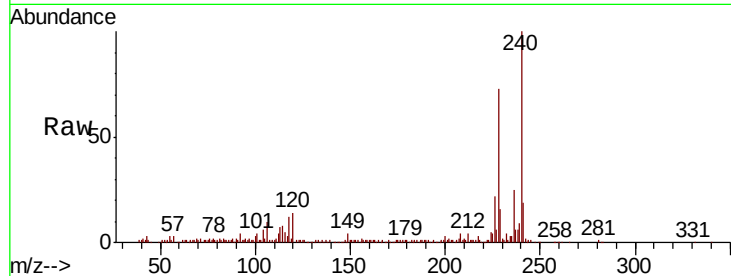




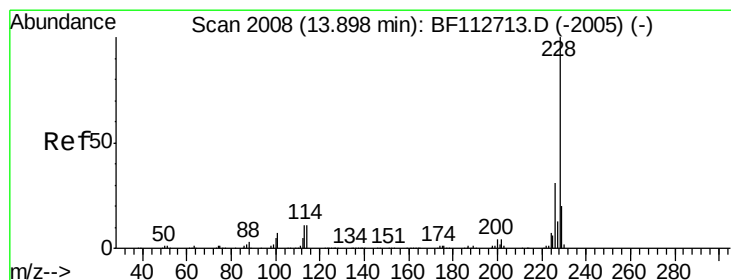
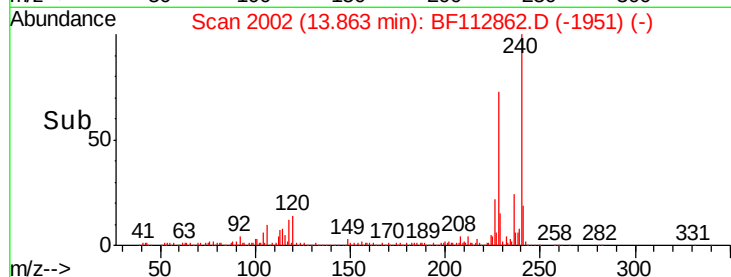
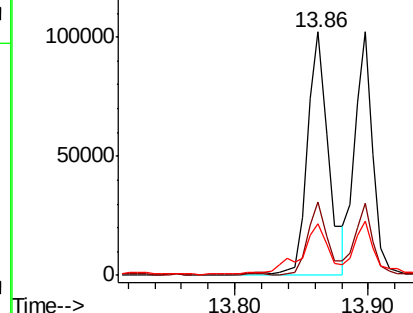
#81
Benzo(a)anthracene
Concen: 3.464 ng
RT: 13.86 min Scan# 2002
Delta R.T. 0.00 min
Lab File: BF112862.D
Acq: 5 Mar 2019 19:50

Instrument :
BNA_F
ClientSampleId :
EXT-028-SW009-022719

Tgt Ion:228 Resp: 110669
Ion Ratio Lower Upper
228 100
226 30.1 22.2 33.4
229 21.3 16.0 24.0

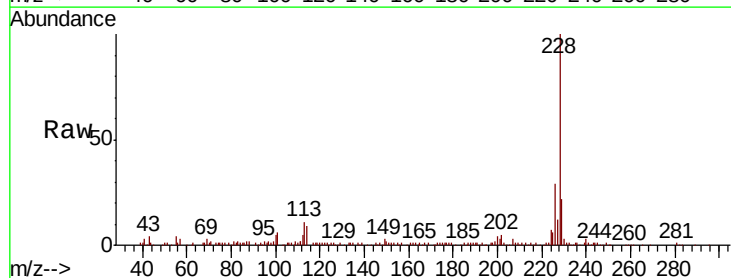


Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E

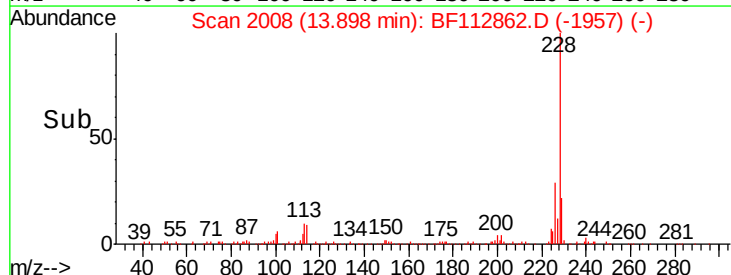
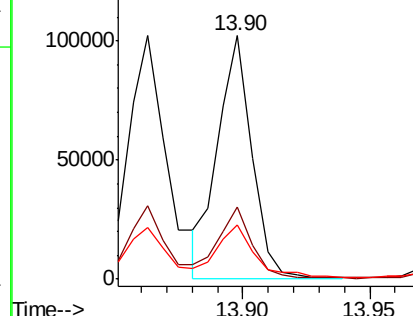


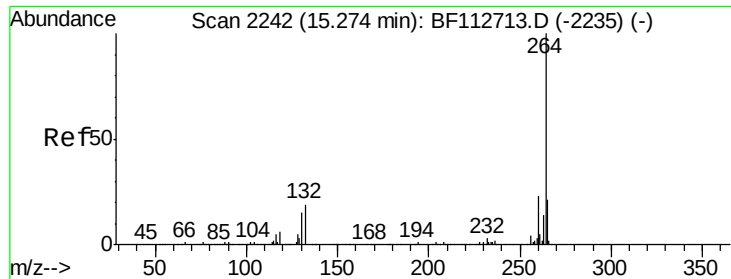
#83
Chrysene
Concen: 3.045 ng
RT: 13.90 min Scan# 2008
Delta R.T. 0.00 min
Lab File: BF112862.D
Acq: 5 Mar 2019 19:50

Tgt Ion:228 Resp: 95301
Ion Ratio Lower Upper
228 100
226 29.4 24.9 37.3
229 22.4 16.3 24.5



Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E





#87

Perylene-d12

Concen: 20.000 ng

RT: 15.28 min Scan# 2243

Delta R.T. 0.01 min

Lab File: BF112862.D

Acq: 5 Mar 2019 19:50

Instrument :

BNA_F

ClientSampleId :

EXT-028-SW009-022719

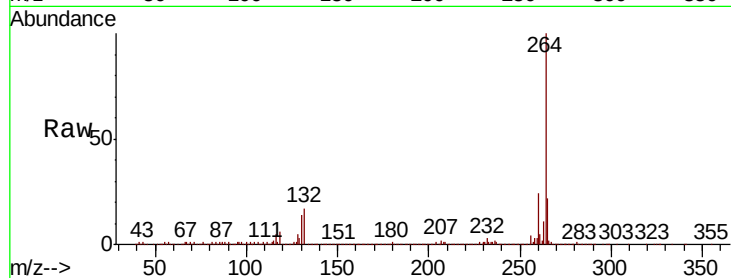
Tgt Ion:264 Resp: 484311

Ion Ratio Lower Upper

264 100

260 24.1 18.7 28.1

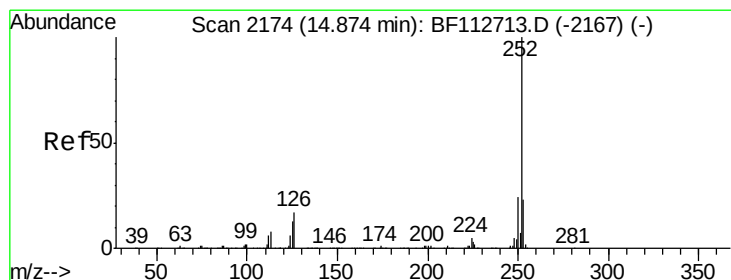
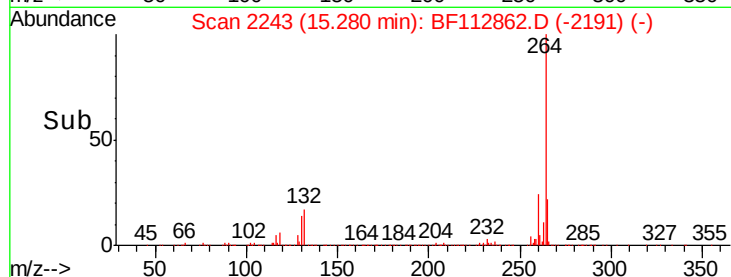
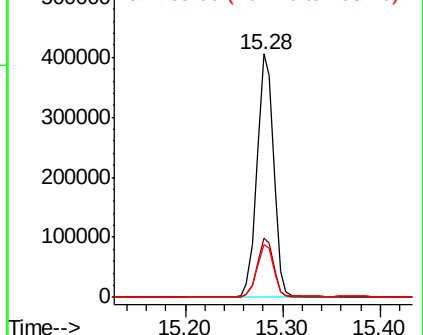
265 21.7 17.2 25.8



Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E



#88

Benzo(b)fluoranthene

Concen: 5.082 ng

RT: 14.88 min Scan# 2175

Delta R.T. 0.01 min

Lab File: BF112862.D

Acq: 5 Mar 2019 19:50

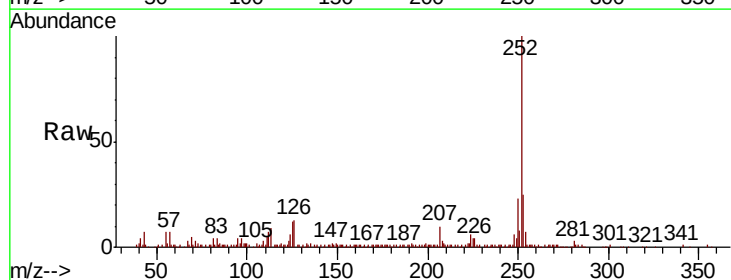
Tgt Ion:252 Resp: 159196

Ion Ratio Lower Upper

252 100

253 24.6 18.0 27.0

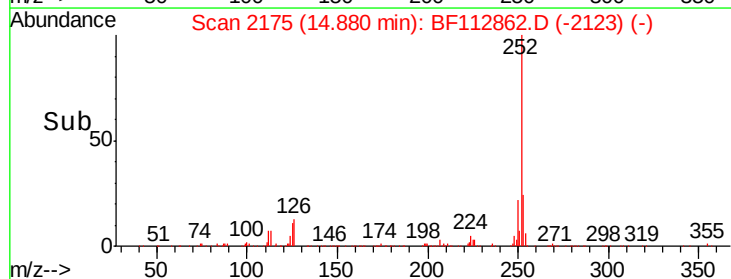
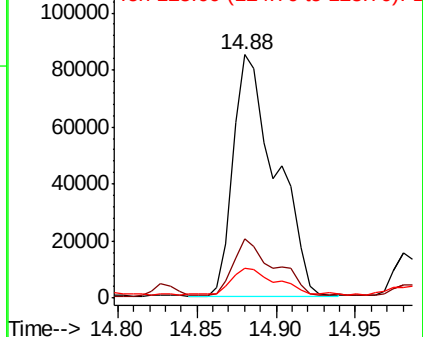
125 12.1 10.2 15.2

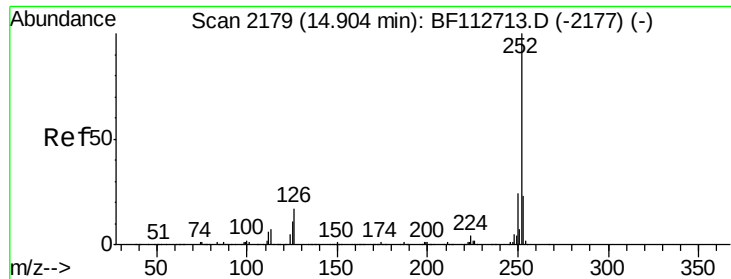


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

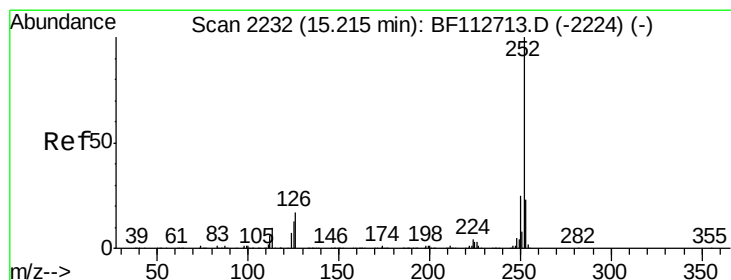
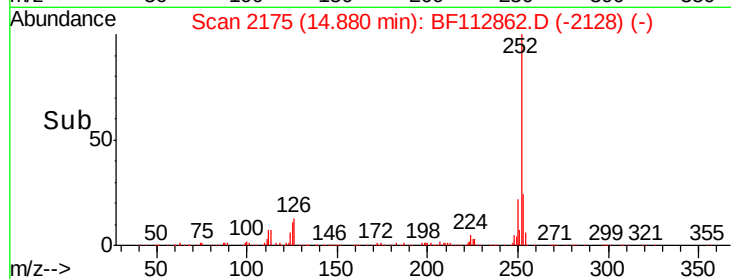
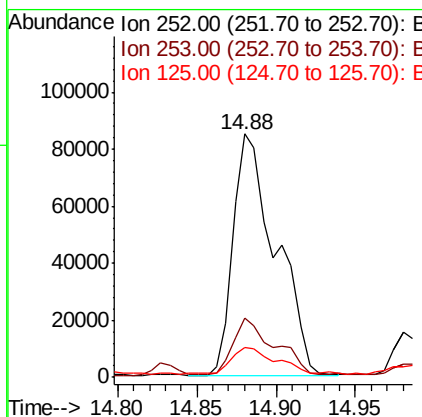
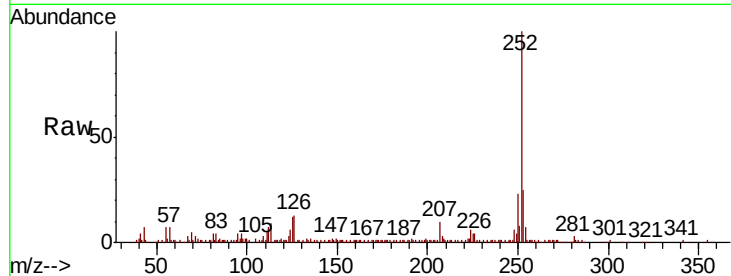




#89
Benzo(k)fluoranthene
Concen: 5.610 ng
RT: 14.88 min Scan# 2175
Delta R.T. -0.02 min
Lab File: BF112862.D
Acq: 5 Mar 2019 19:50

Instrument :
BNA_F
ClientSampleId :
EXT-028-SW009-022719

Tgt Ion: 252 Resp: 159196
Ion Ratio Lower Upper
252 100
253 24.6 18.2 27.2
125 12.1 9.8 14.6



#90
Benzo(a)pyrene
Concen: 3.060 ng
RT: 15.22 min Scan# 2233
Delta R.T. 0.01 min
Lab File: BF112862.D
Acq: 5 Mar 2019 19:50

Tgt Ion: 252 Resp: 84789
Ion Ratio Lower Upper
252 100
253 22.9 18.0 27.0
125 11.6 10.7 16.1

